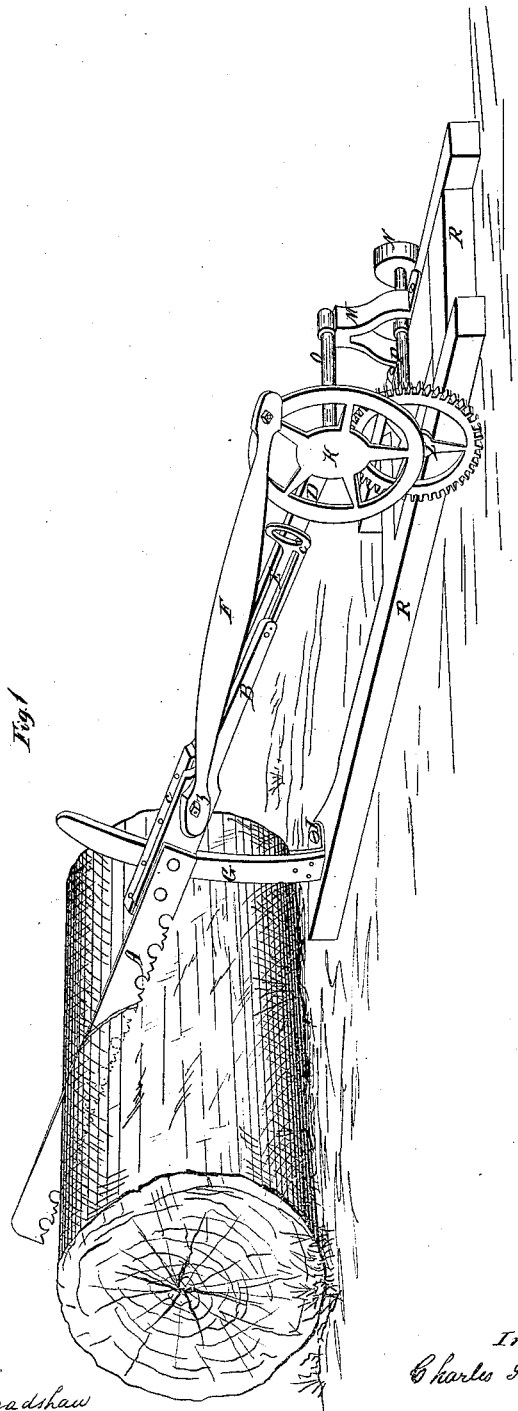


2 Sheets-Sheet 1.

Drag Sarr.

N^o 46,428.

Patented Feb. 14, 1865.



Witnesses
William A. Bradshaw
Mrs L. Swintson

Inventor
Charles F.iggins

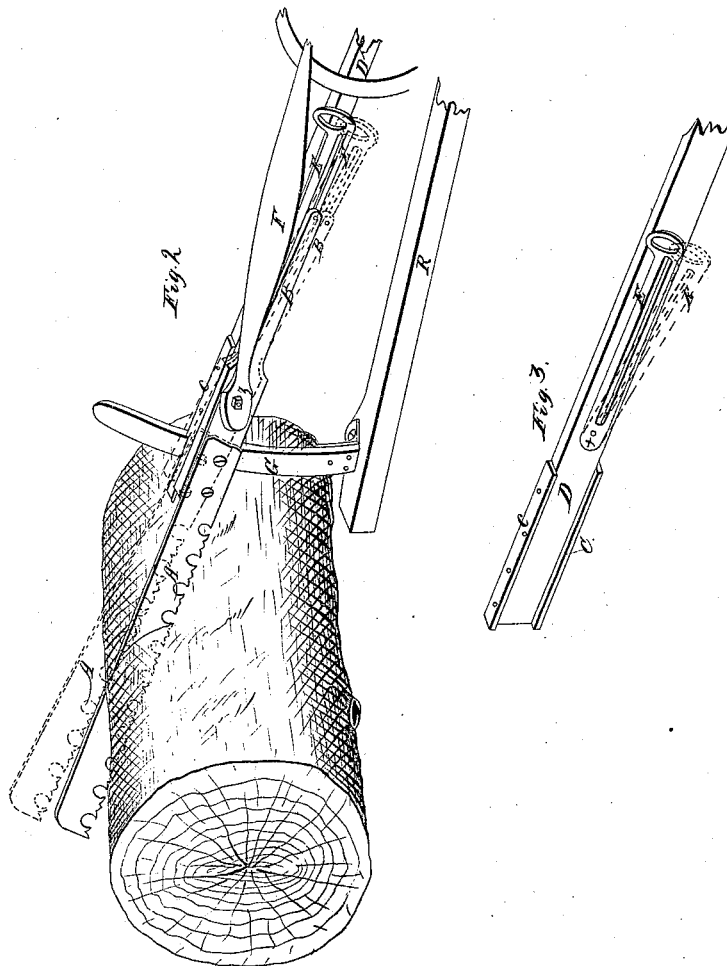
C. P. Wiggins,

2 Sheets-Sheet 2.

Drag Sarr.

N^o 46,428.

Patented Feb. 14, 1865.



Witnesses
William A. Bradshaw
Geo L. Smith

Inventor
Charles P. Wiggins

UNITED STATES PATENT OFFICE.

CHARLES P. WIGGINS, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO
CASE, MARSH & CO., OF SAME PLACE.

IMPROVEMENT IN SAWING-MACHINES.

Specification forming part of Letters Patent No. 46,428, dated February 14, 1865.

To all whom it may concern:

Be it known that I, CHARLES P. WIGGINS, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improvement on Drag-Saws; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view; and Fig. 2 a section showing the operation, and Fig. 3 a section of the slide E, which causes the changes of the operation, as indicated with red line.

The nature of my invention consists in providing the sash D with the slide E, on one end of which is a slot and thumb-screw, *c*. The other end of this slide is fastened to the sash D with a bolt, *x*. This slide, if lowered at *c*, will bring the saw-bar B (which works on a center at *z*) in an angle with the stationary slide C and sash D, and thereby create any desired oscillating or rocking motion. It will be seen that this arrangement will enable the saw to cut the outsides or corners of the log, and at the same time permit the saw to clean itself from the dust, causing a great saving of power and time.

To enable others skilled in the art to make

and use my invention, I will proceed to describe its construction and operation.

On the frame-work R I place the sword G, with its clamp *d*, by means of which the sash and saw-bar are held in position while raised or lowered on the adjustable sword G, which is supplied with a slot and thumb-screw, *i*. F is the pitman which connects the crank-wheel K with the saw-bar B, and communicates the motion to the saw. L is the spur-wheel, which works into the cogs of the cog-wheel on the counter-shaft O close to the crank-wheel and is connected by means of the line-shaft P with the pulley or power N. M M represent boxes; C, the slides of the sash.

I disclaim the sash D, the pitman F, the sword G, fly-wheel and gearing, the frame R, the boxes M M, the counter-shaft O, the line-shaft P, the saw-bar B, the stationary slide C, as inventions which have been made previously.

What I claim, and desire to have secured by Letters Patent of the United States, is—

The adjustable slide E, when connected to guide-bar D, and constructed to operate substantially as described.

CHARLES P. WIGGINS.

Witnesses:

WILLIAM A. BRADSHAW,
JNO. L. SMITHMYER.